sensor response time, and may be changed according to the sensors used and the particular conditions of use.

DETDESC:

DETD (96)

Referring . . . call the menu up on display 90. The menu will display an appropriate message such as "menu 1. Calibrate CO/CO2 sensor. Activate button #1 to start". The operator then presses button #1 which begins the calibration sequence 130. The calibration sequence. . .

DETDESC:

DETD(104)

One . . . concentration of a patient. The determination is made immediately following acquisition of the breath sample and is thus performed in **real-time**. It overcomes the above-noted problems of the prior art techniques. Another advantage of the invention is that it provides a. . .

CLAIMS:

CLMS(1)

We . . .

1. A method of filtering a gas sample for use with a non-invasive end-tidal gas flow monitor containing a first sensor for detecting the amount of a first gas component in a gas sample, a second sensor for detecting the amount of a second gas component in the gas sample, a first connector in communication with the first sensor, a second connector in communication with the first sensor, a third connector in communication with the second sensor, comprising: providing a body having a first end and a second end and first, second, and third lumens extending through. . .

CLAIMS:

CLMS (16)

16. . . . claim 14 wherein the passing step further comprises passing said gas sample, in sequence, through said hydrophobic filter, said first sensor, said first consumable filtration medium, and said second sensor.

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(FILE 'USPAT' ENTERED AT 14:10:26 ON 22 JUL 1999)
           5895 S (BREATH OR BREATHING) AND (NOSE OR NOSTRIL OR MOUTH?)
L1
           1473 S L1 AND AIR FLOW
L2
             98 S REAL TIME AND L2
L3
             88 S L3 AND SENSOR?
L4
             33 S L4 AND ACOUST?
L5
             31 S L5 AND VIBRAT?
L6
              5 S L6 AND MICROPHONE
L7
              4 S L7 AND OXYGEN
L8
L9
              0 S L8 AND OXYGEN FLOW
              3 S L8 AND NOISE
L10
              O S (DECIBEL OR DECIBELS) AND L10
L11
              3 S L10 AND SOUND INTENSITY
L12
             0 S L12 AND DISPLAY
L13
             3 S L12 AND NOISE
L14
             18 S L1 AND SOUND INTENSITY
L15
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. L16	4 S DECIBE? AND L15	
·L1•7	1 S L2 P L16	
L18	87 S L1 D NASAL CANNULA	
L19	11 S L18 AND L3	
L20	11 S L19 AND L4	
L21	0 S L20 AND L5	
L22	2 S L20 AND (MICROPHONE OR MIC OR MIC.)	
L23	38 S NASAL CANNULA AND AIR FLOW	
L24	24 S L23 AND SENSOR?	
L25	0 S L24 AND (SOUND INTENSITY OR DECIBEL OR DECIBELS)	
L26	4 S L24 AND (MICROPHONE OR MIC OR MIC. OR VIBRATOR?)	

#	Patent	Source	Flag	Issue Date	Pages Cur Orig	rent Retrieval lassif	Current Cr Refere	
					_	assif		
1	5,921,942	U	U	07/13/1999	11 600		607/42	
2	5,904,141	U	U	05/18/1999	35 128/20	4.23	128/204.21	
3	5,901,704		Ü	05/11/1999	36 128/20	4.23	128/204.21	
4	5,853,005		U	12/29/1998	28 600	459	5/83.1	
5	5,845,636		U	12/08/1998	38 128/20	4.23	128/204.21	
6	5,823,187		U	10/20/1998	35 128/20	4.23	128/204.21	
7	5,794,614		U	08/18/1998	40 128/20	4.21	128/202.22	
8	5,792,067		U	08/11/1998	12 600	/534	128/848	
9	5,704,345		S	01/06/1998	33 128/20	4.23	128/204.21	
10	5,551,418		U	09/03/1996	34 128/20	4.23	128/204.21	
11	5,549,106		U	08/27/1996	41 128/20	4.23	128/204.21	
12	5,522,382		U	06/04/1996	22 128/20	4.23	128/204.21	
13	5,492,113		U	02/20/1996	24 128/20	4.23	128/204.21	
14	5,259,373		U	11/09/1993	41 128/20	4.23	128/204.18	
15	5,245,995		U	09/21/1993	22 128/20	4.23	128/205.25	
16	5,199,424		U	04/06/1993	20 128/20	4.18	128/204.23	
17	5,134,995		U	08/04/1992	44 128/20	4.23	128/204.21	
18	4,387,722		U	06/14/1983	59 600	/529	378/95	
19	4,289,142		U	09/15/1981	67 600	/529	600/536	

FROM APS #1



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(FILE 'USPAT' ENTERED AT 14:10:26 ON 22 JUL 1999)
          5895 S (BREATH OR BREATHING) AND (NOSE OR NOSTRIL OR MOUTH?)
          1473 S L1 AND AIR FLOW
L2
            98 S REAL TIME AND L2
L3
            88 S L3 AND SENSOR?
L4
L5
            33 S L4 AND ACOUST?
            31 S L5 AND VIBRAT?
L6
L7
             5 S L6 AND MICROPHONE
             4 S L7 AND OXYGEN
L8
             0 S L8 AND OXYGEN FLOW
L9
             3 S L8 AND NOISE
L10
            0 S (DECIBEL OR DECIBELS) AND L10
L11
            3 S L10 AND SOUND INTENSITY
L12
            0 S L12 AND DISPLAY
L13
            3 S L12 AND NOISE
L14
           18 S L1 AND SOUND INTENSITY
L15
L16
            4 S DECIBE? AND L15
            1 S L2 AND L16
L17
           87 S L1 AND NASAL CANNULA
L18
           11 S L18 AND L3
L19
           11 S L19 AND L4
L21
             0 S L20 AND L5
             2 S L20 AND (MICROPHONE OR MIC OR MIC.)
            38 S NASAL CANNULA AND AIR FLOW
           24 S L23 AND SENSOR?
L24
            0 S L24 AND (SOUND INTENSITY OR DECIBEL OR DECIBELS)
L25
             4 S L24 AND (MICROPHONE OR MIC OR MIC. OR VIBRATOR?)
L26
             2 S L26 AND REAL TIME
L27
           493 S HELMHOLTZ RESONAT?
L28
            58 S L28 AND (NASAL CANNULA OR NOSE OR NOSTRIL OR MOUTH)
L29
             0 S L28 AND RESPRIRAT?
L30
             2 S RESPIRAT? AND L28
L31
             7 S L29 AND (SENSOR? OR SENSOR)
L32
             4 S L32 AND (MIC OR MIC. OR MICROPHONE OR AUDIB?)
L33
             0 S L33 AND NASAL CANNULA
L34
             0 S L33 AND 600/500-545/CCLST
L35
           67 S HELMHOLTZ AND 600/300-545/CCLST
L36
             4 S L36 AND (NOSE OR NOSTRIL OR MOUTH OR NASAL OR NASAL CANN
L37
ULA
             1 S RESPIRATORY DISTURBANCE INDEX OR RDIPLUS
L38
             8 S APNEA PER HOUR OR APNEAS PER HOUR OR HYPOPNEA PER HOUR O
L39
RН
L40
             0 S L14 AND L39
             4 S L39 AND (NOSE OR MOUTH OR NOSTRIL OR NASAL CANNULA)
L41
             1 S L41 AND SENSOR?
L42
           1680 S (APENA) OR HYPOPNEA OR SLEEP) AND SENSOR
L43
             0 S L43 AND AUDIBLE SENSOR
            188 S L43 AND (MICROPHONE OR MIC. OR MIC)
            55 S L45 AND (MOUTH OR NOSE OR NOSTRIL OR NASE OR NASAL CANNU
LA)
            17 S L46 AND PRESSURE TRANSDUCER
L47
            17 S L47 AND (AIRFLOW OR AIR FLOW)
L48
            17 S L48 AND (BREATHING OR BREATH)
L49
            4 S L49 AND (REAL TIME OR REAL-TIME)
L50
            0 S L49 AND NEURAL NETWORK
L51
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=> display 150

ENTER ANSWER NUMBER OR RANGE (1):1-4

ENTER DISPLAY FORMAT (CIT):ti

US PAT NO:

5,921,942 [IMAGE AVAILABLE]

TITLE:

Adaptively controlled mandibular positioning device and

method of using the device

US PAT NO:

5,522,382 [IMAGE AVAILABLE]

TITLE:

Device and method for treating obstructed breathing

having a delay/ramp feature

US PAT NO:

5,245,995 [IMAGE AVAILABLE]

TITLE:

Device and method for monitoring breathing during

sleep, control of CPAP treatment, and preventing

apnea

US PAT NO:

5,199,424 [IMAGE AVAILABLE]

L50: 4 of 4

L50: 1 of 4

L50: 2 of

L50: 3 of

TITLE:

Device for monitoring breathing during sleep and

control of CPAP treatment that is patient controlled

=> display 117

ENTER ANSWER NUMBER OR RANGE (1):1

ENTER DISPLAY FORMAT (CIT):ti

US PAT NO:

5,452,480 [IMAGE AVAILABLE]

L17: 1 of 1

TITLE:

Ski goggles

=> display 149

ENTER ANSWER NUMBER OR RANGE (1):1-17

ENTER DISPLAY FORMAT (CIT):ti

US PAT NO:

5,921,942 [IMAGE AVAILABLE]

L49: 1 of 17

TITLE:

Adaptively controlled mandibular positioning device and

method of using the device

US PAT NO:

5,904,141 [IMAGE AVAILABLE]

L49: 2 of 17

TITLE:

Sleep apnea treatment apparatus with reset feature

US PAT NO:

5,901,704 [IMAGE AVAILABLE]

L49: 3 of 17

TITLE:

Sleep apnea treatment apparatus with minimum leakage

assurance circuit

US PAT NO:

5,845,636 [IMAGE AVAILABLE]

L49: 4 of 17

TITLE:

Method and apparatus for maintaining patient airway

patency

US PAT NO:

5,823,187 [IMAGE AVAILABLE]

L49: 5 of 17

TITLE:

Sleep apnea treatment apparatus with a therapy delay

circuit arrangement

5,794,614 [IMAGE AVAILABLE] L49: 6 of 17 . US PAT NO: Apparatis for compensating for flow and ressure variances in remarks circuits TITLE: L49: 7 of 17 5,792,067 [IMAGE AVAILABLE] US PAT NO: Apparatus and method for mitigating sleep and other TITLE: disorders through electromuscular stimulation 5,551,418 [IMAGE AVAILABLE] L49: 8 of 17 US PAT NO: Sleep apnea treatment apparatus with reset circuitry TITLE: 5,549,106 [IMAGE AVAILABLE] L49: 9 of 17 US PAT NO: Inspiratory airway pressure system using constant pressure TITLE: and measuring flow signals to determine airway patency 5,522,382 [IMAGE AVAILABLE] L49: 10 of 17 US PAT NO: Device and method for treating obstructed breathing TITLE: having a delay/ramp feature 5,492,113 [IMAGE AVAILABLE] L49: 11 of 17 US PAT NO: Sleep apnea treatment apparatus having multiple ramp TITLE: cycles L49: 12 of 17 5,259,373 [IMAGE AVAILABLE] US PAT NO: Inspiratory airway pressure system controlled by the TITLE: detection and analysis of patient airway sounds L49: 13 of 17 US PAT NO: 5,245,995 [IMAGE AVAILABLE] Device and method for monitoring breathing during TITLE: sleep, control of CPAP treatment, and preventing of apnea 5,199,424 [IMAGE AVAILABLE] L49: 14 of 17 US PAT NO: TITLE: Device for monitoring breathing during sleep and control of CPAP treatment that is patient controlled L49: 15 of 17 5,134,995 [IMAGE AVAILABLE] US PAT NO: Inspiratory airway pressure system with admittance TITLE: determining apparatus and method 4,387,722 [IMAGE AVAILABLE] L49: 16 of 17 US PAT NO: Respiration monitor and x-ray triggering apparatus TITLE: US PAT NO: 4,289,142 [IMAGE AVAILABLE] L49: 17 of 17 Physiological occurrence, such as apnea, monitor and X-ray TITLE: triggering device => d his

	(FILE			' ENTERED AT 14:10:26 ON 22 JUL 1999)
L1		5895	S	(BREATH OR BREATHING) AND (NOSE OR NOSTRIL OR MOUTH?)
L2		1473	S	L1 AND AIR FLOW
L3		98	S	REAL TIME AND L2
L4		88	S	L3 AND SENSOR?
L5		33	s	L4 AND ACOUST?
L6		31	s	L5 AND VIBRAT?
L7		5	S	L6 AND MICROPHONE
L8		4	S	L7 AND OXYGEN
L9		0	s	L8 AND OXYGEN FLOW
L10		3	s	L8 AND NOISE
L11		0	s	(DECIBEL OR DECIBELS) AND L10
L12		3	S	L10 AND SOUND INTENSITY
L13		0	s	L12 AND DISPLAY
L14		_		L12 AND NOISE
L15		18	S	L1 AND SOUND INTENSITY

		_	
.: L16			DECIBE? AND L15
L17	_		L2 AND L16
L18			L1 D NASAL CANNULA
L19			L18 AND L3
L20			L19 AND L4
L21			L20 AND L5
L22			L20 AND (MICROPHONE OR MIC OR MIC.)
L23			NASAL CANNULA AND AIR FLOW
L24			L23 AND SENSOR?
L25	0	S	L24 AND (SOUND INTENSITY OR DECIBEL OR DECIBELS)
L26	4	S	L24 AND (MICROPHONE OR MIC OR MIC. OR VIBRATOR?)
L27	2	S	L26 AND REAL TIME
L28			HELMHOLTZ RESONAT?
L29	58	S	L28 AND (NASAL CANNULA OR NOSE OR NOSTRIL OR MOUTH)
L30	0	S	L28 AND RESPRIRAT?
L31			RESPIRAT? AND L28
L32	7	S	L29 AND (SENSOR? OR SENSOR)
L33	4	s	L32 AND (MIC OR MIC. OR MICROPHONE OR AUDIB?)
L34	0	S	L33 AND NASAL CANNULA
L35	0	S	L33 AND 600/500-545/CCLST
L36	67	S	HELMHOLTZ AND 600/300-545/CCLST
L37	4	s	L36 AND (NOSE OR NOSTRIL OR MOUTH OR NASAL OR NASAL CANN
ULA			,
L38	1	S	RESPIRATORY DISTURBANCE INDEX OR RDIPLUS
L39			APNEA PER HOUR OR APNEAS PER HOUR OR HYPOPNEA PER HOUR O
RH			
L40	0	s	L14 AND L39
L41	4	s	L39 AND (NOSE OR MOUTH OR NOSTRIL OR NASAL CANNULA)
L42			L41 AND SENSOR?
L43			(APENA OR HYPOPNEA OR SLEEP) AND SENSOR
L44			L43 AND AUDIBLE SENSOR
L45			L43 AND (MICROPHONE OR MIC. OR MIC)
L46			L45 AND (MOUTH OR NOSE OR NOSTRIL OR NASE OR NASAL CANNU
LA)		~	THE THE WIND ON HOUSE ON HOUSENESS ON TABLE OF THE
L47	17	S	L46 AND PRESSURE TRANSDUCER
L48			L47 AND (AIRFLOW OR AIR FLOW)
L49			L48 AND (BREATHING OR BREATH)
פבע	17	ی	THE AME (DESTRICTED OF DESTRICT

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